Carrier

PRODUCTS

for

AIR CONDITIONING

Humidifying
Dehumidifying
Comfort Cooling

REFRIGERATING

Product Applications
Comfort Applications

INDUSTRIAL HEATING

Zone Heating
Drying & Processing

Carrier

PRODUCTS

for

AIR CONDITIONING

REFRIGERATING

INDUSTRIAL HEATING

A Carrier Weathermaker

For Every Air Conditioning Problem

WEATHER—*State of the atmosphere as to heat or cold, wetness or dryness, calm or storm, clearness or cloudiness, or any other meteorological phenomena.*

NOAH WEBSTER

One of the most important kinds of weather is that which exists *indoors* where we spend most of our time.

It affects personal health and comfort and the success and efficiency of business operations. In almost every phase of life, weather is a problem which man must constantly face.

Until a comparatively few years ago, the struggle against indoor weather, or atmospheric conditions, was a losing game. We talked about it, yet as Mark Twain had remarked, "nobody ever did anything about it."

Air conditioning has changed all that. Now science has taught us how to create and control those atmospheric conditions indoors which experience has shown are best suited to personal comfort and business efficiency; to the preservation of perishable goods; to the processing of manufactured articles. We literally can make weather to order indoors.

An individual or a business can now have weathermaking machinery of the kind necessary to solve any particular weather problem. This pamphlet describes a complete line of Carrier Weathermakers that will create proper atmospheric conditions in your home, office, store, shop or manufacturing plant. "Weathermaker" is the registered trade mark for air conditioning equipment manufactured and sold only by Carrier.

There is a Carrier Weathermaker for every air conditioning requirement—the product of the organization which pioneered in the development of the present business of air conditioning and remains the outstanding leader of the industry.

Carrier
WEATHERMAKERS TO THE WORLD

Air Conditioning
Comfort Cooling

Refrigerating
Industrial Heating

Newark - New Jersey

For List of Offices see Page 11

If your problem is air conditioning or any of its related branches—heating, ventilating, humidifying or de-humidifying, refrigeration or drying—or a combination of any of these—Carrier, through its broad engineering service and its complete line of equipment can serve you.

Whether you are interested in air conditioning for large buildings, theatres or department stores, or in providing summer comfort in a single room or office, there's a Carrier system exactly fitted to each requirement.

The Carrier office nearest you offers a complete service in solving any air conditioning, refrigeration, product cooling, drying or industrial unit heating problem. This service is the result of more than 25 years experience in applying the scientific principles of air conditioning to commercial structures, industrial plants, laboratories, public buildings, stores, auditoriums, offices, office buildings and ships.

Carrier service assures the use of scientifically designed equipment, and a correctly engineered job throughout—yet you will find it reasonable in price commensurate with the operating results which you have a right to expect.

If you desire, certain Carrier products may be purchased on a merchandise basis for installation by yourself or by contractors.

Engineering bulletins and descriptive literature is available to you for the asking. A Carrier representative trained in the analysis of refrigeration, air conditioning or industrial heating problems will call on you without obligation, survey your requirements and recommend the type of system best suited to your needs.

An organization of Carrier Dealer-Distributors has been established in certain cities to provide sales, engineering and installation service for Carrier products.

Architects and consulting engineers are especially invited to consult with us in laying out air conditioning systems for large projects. The important thing to remember is that from the smallest to the largest requirement, you can secure a Carrier system exactly adapted to the need at hand.

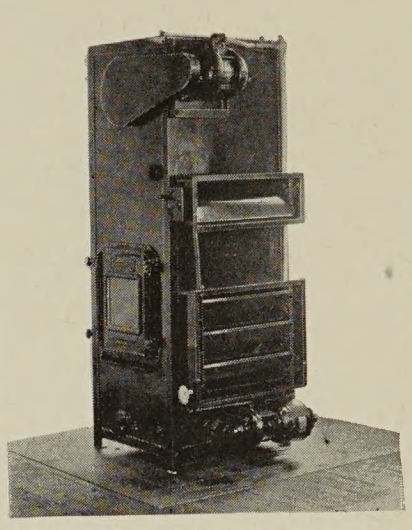
We invite you to examine the products illustrated and described on the pages following. If you want full details regarding their design and operation, write Carrier, Newark, N. J., or consult with the district office nearest you.

Carrier

Industrial Weathermaker

(Unit Type)

A complete line of self-contained units for industrial and comfort conditioning, for humidifying or de-humidifying. Each unit is a compact system in itself requiring only heating or refrigeration connections. Equipped for surface or spray type cooling. Capacities range from 1,000 to 10,000 c.f.m. Available in horizontal, vertical, or suspended models. Automatic or manual control. Flexible, easily installed. Perform all the essential functions of a complete central station system.

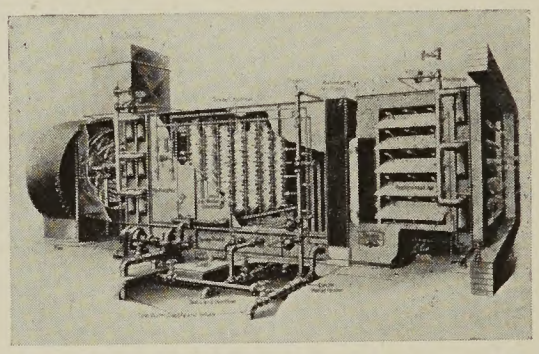


Vertical Type Air Conditioning Unit for control of weather conditions in manufacturing plants. Humidifies, de-humidifies, or heats: washes and circulates the air.

Carrier

Central Plant Weathermaker

A specially designed standardized assembly to meet the increasingly wide variety of applications in central station air conditioning systems. These units are offered as a part of a complete air conditioning system, with automatic dew-point control, pre-heater and re-heater sections, spray chamber, damper control fans and air ducts. Standard for all Carrier air conditioning systems in theatres, office buildings, large stores and public buildings. Installed under licenses of Auditorium Conditioning Corporation.

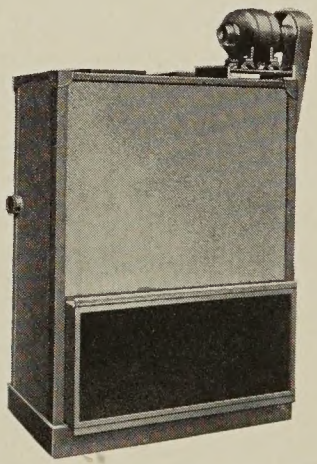


Complete de-humidifying unit of the kind used in central station air conditioning work, showing air intakes, heating coils, spray heads, fan and control devices.

Carrier

Store Weathermaker

Especially designed for stores of all kinds. Units available in models ranging from 800 to 4800 c.f.m. Air filtering, humidifying and de-humidifying, heating and cooling positive air distribution and automatic control—all built into single attractively encased unit, requiring only connections to source of heat or refrigeration. A thoroughly practical all-year-round system for retail stores, restaurants, small auditoriums, etc.



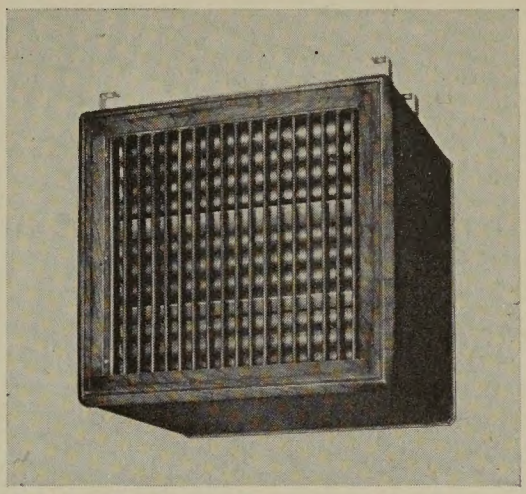
View of Store Air Conditioning Unit complete with casing and ready for refrigerating connections, chamber, heater coils, air filter, cooling coils, re-heater and fan.

Carrier

Store Weathermaker

(Surface Cooling Type)

For offices and small stores this suspended type comfort cooling unit supplements the larger Carrier store cooling systems. It is made in one standard size—1½ tons refrigerating effect—and its overall dimensions are 22″ x 22″ x 20″ making it flexible, compact and easily installed. It is cleverly designed to harmonize with any style of interior decoration. The fan is of the disc type entirely enclosed in the housing.



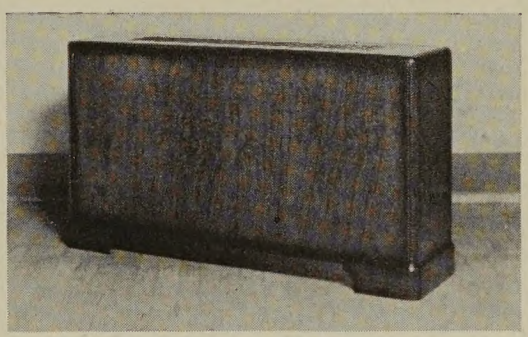
Small cooling unit or comfort conditioning unit for offices, stores and shops.

Carrier

Room Weathermaker

(Cabinet Type)

A combination heating and cooling unit for individual rooms in homes or offices. Encased in attractive jacket, it is handsome in appearance, harmonizes with room surroundings. Heats and humidifies in winter, cools and de-humidifies in summer. Replaces a radiator in connection with the heating system and connects to source of refrigeration for summer cooling. Contains air filter, humidifying sprays, fan, heating and cooling coils. One or more cabinets may be installed to meet requirements.



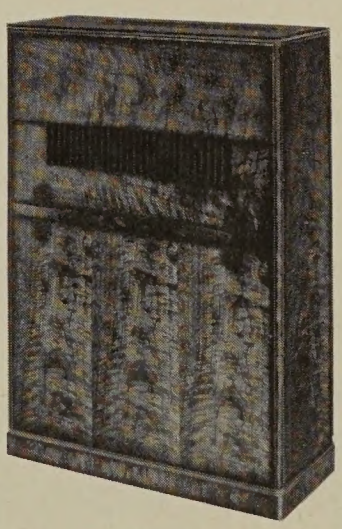
Cabinet model combination cooling and heating unit for rooms and offices, equipped with fans, air filter, spray humidifier, heating and cooling coils.

Carrier

Room Weathermaker

(Self-Contained Type)

A compact cabinet comprising refrigerating machine and cooling coils housed in a single casing. Simple water, drain and electric connections, made from the outside, are all that is required to put this unit in operation. Performs essentially the same service as the cabinet type Room Weathermaker but with refrigerating unit as an integral part of the assembly. Ideal for individual offices in large buildings, small meeting rooms, apartment houses, etc.



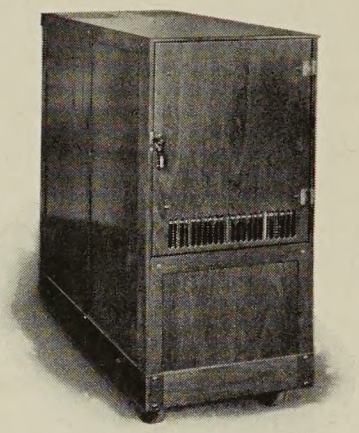
This cabinet contains all the working parts to do a complete cooling job. Requires only water, drain and electric connections.

Carrier

Room Weathermaker

(Portable Type)

An inexpensive portable type unit utilizing melting ice for refrigeration effect. One charge of ice—300 lbs.—lasts from 5 to 10 hours depending on use. Effectively cools space up to 3,000 cu. ft. Fans, operated by small electric motor, draw room air over metal grids cooled by contact with ice which rests upon them and then discharges cooled air into the room. Handles 300 c.f.m. Operates from any standard light socket or electric outlet at a cost of about ¼¢ per hour. One size only 52″ high, 24″ wide, 37″ long.



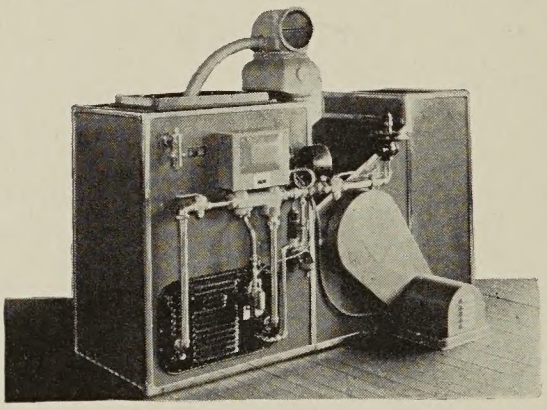
Portable Room Cooler on wheels, for cooling small shops, meeting rooms, etc.

Carrier

Home Weathermaker

(Direct Fired Type)

The original complete air conditioning system for homes in winter. A gas-fired centrally operated unit, fully automatic, with electric temperature and humidity control. Positive distribution of clean conditioned air. Available in five sizes from 100,000 to 300,000 B.T.U. output per hour. Manufactured or natural gas. Approved by American Gas Association Testing Laboratories.



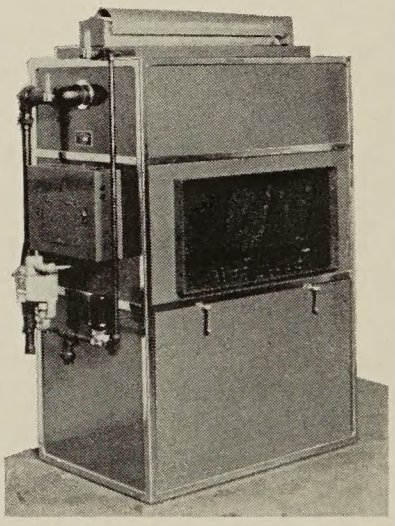
Automatic gas-fired air conditioning plant for homes. Provides controlled humidity and forced circulation of cleaned air with automatic temperature control.

Carrier

Home Weathermaker

(Indirect Fired Type)

An air conditioning plant for homes, employing steam generated in separate boiler with gas, oil or coal as the heating medium. Contains heating coil, filters, humidifier, fan and automatic controls. Connects to supply and return air ducts. Available in capacities from 100,000 to 300,000 B.T.U. per hour output and in five different sizes. Where it is desired to use both air conditioning ducts and direct radiation in the same installation, the Indirect Fired Home Weathermaker is particularly applicable.

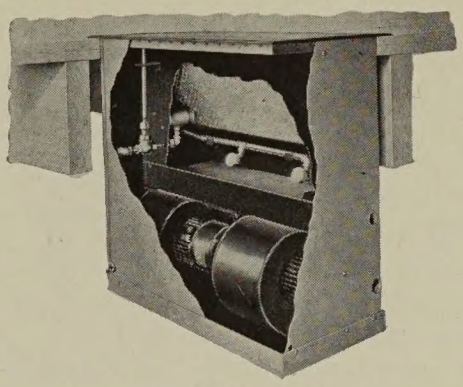


This air conditioning unit is supplied with steam from a separate source and performs the same functions as the machine illustrated at the top of the page.

Carrier

Home Humidifier

An inexpensive, easily installed household unit designed to evaporate up to one gallon of water per hour. Effectively meets the humidity requirements of the average home. May be installed in multiple units for larger homes. Contains heating coil for connection to standard boiler, filters and special spray humidifier. May be supplied with or without fan for air distribution and with manual or automatic control of humidity.

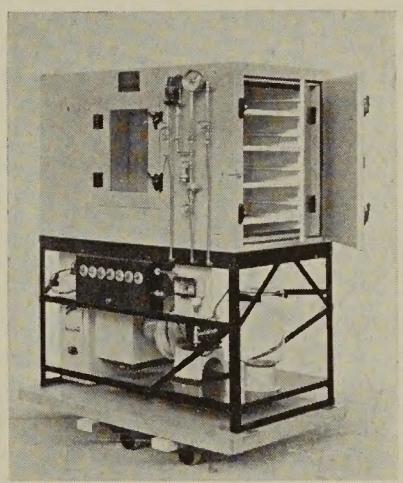


The best answer to the problem of home humidifying is found in this unit which can be depended on to do an efficient job in an average home.

Carrier

Processing Cabinet

The Carrier Processing Cabinet is in effect a small test room in which a wide range of temperature and humidity conditions can be established and controlled. The units are used in laboratories for testing materials under varying atmospheric conditions, for determination of drying rates and hygroscopic properties. If special test rooms are required, Carrier can supply them also.

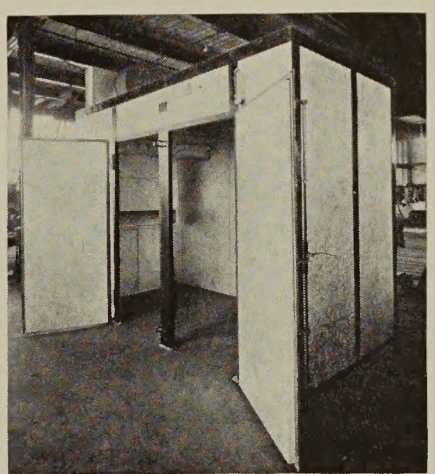


Self-contained testing cabinet for experimental work in determining effects of air on materials.

Carrier

Ejector Dryer

Almost any drying problem can be solved with a Carrier Ejector Dryer or a Carrier-Gordon Regenerative Dryer. These two types of systems represent a complete line of drying equipment. Carrier dryers provide a highly efficient and effective method of drying chemical products, ceramics, textiles, food stuffs, tobacco, metal parts, etc. Automatic temperature control and positive air circulation are always assured.

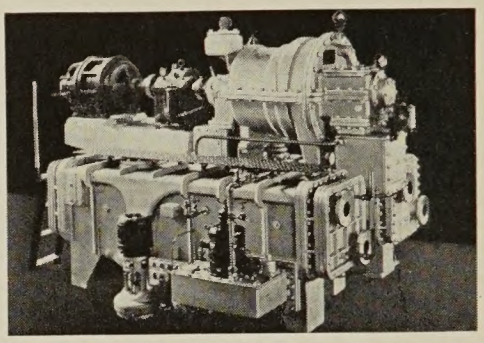


This illustration shows a panel room equipped with ejector dryer unit ready for loading.

Carrier

Centrifugal Refrigerating Machine

The most outstandingly successful and highly efficient type of large refrigerating machine for central station air conditioning work—comfort or industrial applications. Available in capacities from 25 to 350 tons. Steam turbine or motor driven. Adapts itself automatically to the air conditioning load. Occupies two-thirds less space for the same capacity than any other system. Operates below atmospheric pressures with Carrene, the harmless, odorless refrigerant assuring absolute safety.

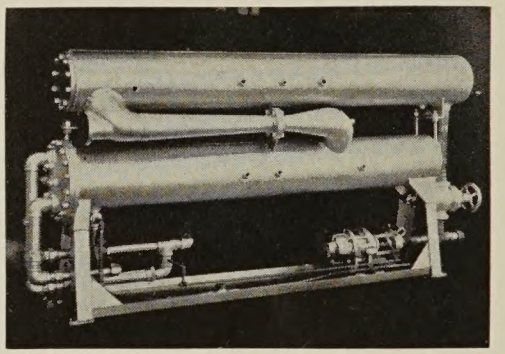


Self-contained refrigeration system including compressor, evaporator and condenser. The most efficient type of refrigerating machine yet developed.

Carrier

Steam Ejector Water Cooler

A refrigerating unit for air conditioning systems, employing steam energy and water as the only refrigerant. Self-contained, compact, employing no moving parts in refrigerating cycle. Unit consists of evaporator and condensor, purge system and cold water pump. Available in capacities from 3 to 18 tons. Especially valuable when process steam is available or in connection with district steam mains.

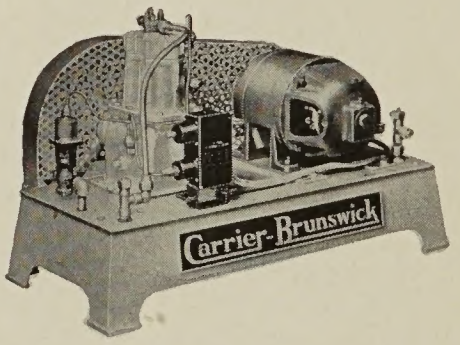


Refrigerating machine utilizing steam as energy and water as the refrigerant. Generates cold water without moving parts.

Carrier

Commercial Refrigeration

The Carrier-Brunswick Refrigerating Unit here illustrated, represents one type in a complete line of small machines available in sizes from ¼ to 3 h.p. These units are applicable to comfort air conditioning when connected to Carrier atmospheric cabinets and small store units and for commercial refrigeration purposes in meat markets, delicatessen, groceries, restaurants; for dairy products, water cooling, etc.

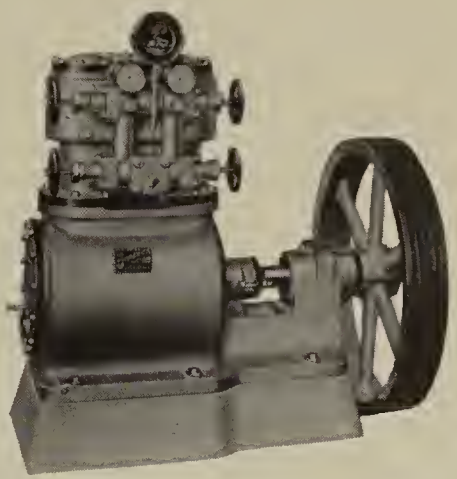


Small refrigerating unit for use with room cooling equipment and for general commercial refrigerating applications.

Carrier

Industrial and Marine Refrigeration

Carrier makes a full line of refrigerating machines for every industrial, commercial and marine requirement, using Ammonia, Carbon Dioxide, Freon, Methyl Chloride, Carrene and special refrigerants. Capacities range from $\frac{1}{20}$th to 120 tons A.S.R.E. rating. For air conditioning service, capacities range from $\frac{1}{10}$th to 350 tons. Whatever your refrigerating problem, whether in a small meat market, a great industrial plant or a merchant vessel, you will find a Carrier machine available for your purpose. The Carrier line is the most complete that the industry offers and is built on over 30 years of practical refrigeration experience.



Belt driven Ammonia compressor of from 12 to 24 tons capacity. This unit is extremely compact and represents the latest refinements in refrigeration machine design.

Carrier

Cold Diffuser

(Floor Mounted Type)

Employs the principle of ductlessly distributed air, positively circulated and automatically controlled as to temperature and humidity. These cold diffusion units, which are available in sizes from 1200 to 11,000 c.f.m. and capacities from $\frac{1}{3}$ to 15 tons, are being used in many commercial air conditioning applications—meat packing, fur storage, dairy products, etc. Surface cooling or brine spray units are available.

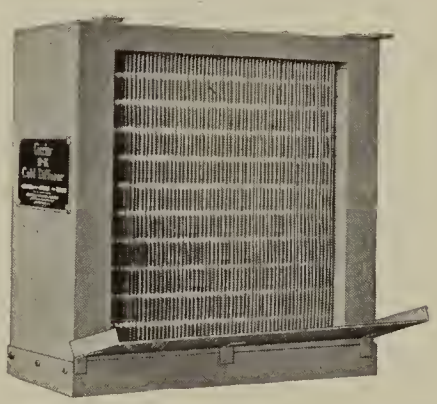
This cold diffuser finds wide application in meat storage plants, for dairy products cooling and meets many other commercial cooling problems.

Carrier

Cold Diffuser

(Suspended Type)

Similar in principle to the floor mounted type of cold diffuser previously described but made in smaller capacities from $\frac{1}{4}$ to 5 tons. Compact and easy to handle, they take up little space and assure efficient results. Made for single, double and triple fan assemblies—220 to 3800 c.f.m.



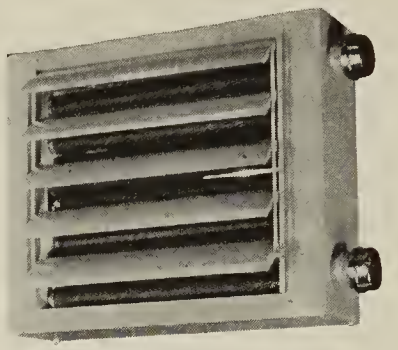
Where space saving is unusually important, this suspended type cold diffuser meets a long-felt want.

Carrier

Heat Diffusing Unit

(Suspended Type)

A convenient, flexible system for all kinds of factory and industrial heating, will be found in the Carrier Heat Diffusing Unit, "Kroy" type, here illustrated. These units which range from 400 to 5,000 c.f.m. are of the suspended type and take up little space. They are available in one, two or three fan assemblies. Designed for low outlet temperatures, they concentrate maximum heat in the working zone. Rated from 20,000 to 574,000 B.T.U. per hour.



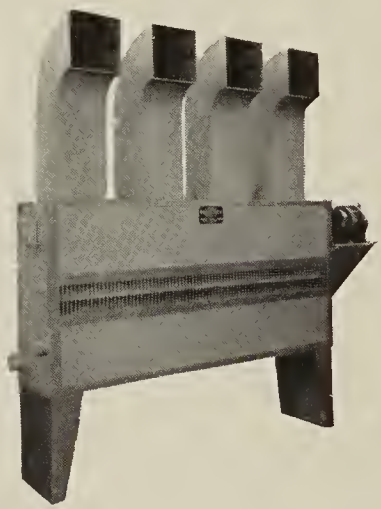
Unusually efficient type of industrial heating unit for controlled zone heating in manufacturing plants.

Carrier

Heat Diffusing Unit

(Floor Mounted Type)

The Carrier line of floor mounted type Industrial Heating Units (formerly known as the York Super-Control Heat Diffusing Unit) embody the most advanced design in unit heater construction and come in a complete range of sizes from 1600 to 16,000 c.f.m. and in two, three and four fan assemblies. Rated from approximately 100,000 to 1,000,000 B.T.U. per hour.



The floor mounted model Heat Diffusing Unit shown above is the most advanced type of equipment for industrial use.

Carrier

Vapor Degreaser

For cleaning and degreasing all kinds of metal parts such as stampings, castings, bolts and nuts, motor parts, brake bands, metal furniture, hardware, etc. Materials to be treated are immersed in a chlorine vapor bath. The vapor condenses on the cold surface of the objects and immediately runs off carrying all traces of grease. A system of metal cleaning which in effectiveness, efficiency and speed excels any method heretofore available for this work.

Vapor Degreasing Unit showing parts suspended in tank of cleaning vapor.

Carrier Service and Equipment

Available through these Offices

Home Office

850 Frelinghuysen Avenue

NEWARK, N. J.

District Offices

Atlanta	305 Bona Allen Bldg.
Boston	708 Statler Bldg.
Chicago	180 N. Michigan Ave.
Cincinnati	1501 Carew Tower
Cleveland	890 Union Trust Bldg.
Dallas	2022 Bryan St.
Detroit	517 E. Larnard St.
Hartford	410 Asylum St.
Kansas City	314 W. Tenth St.
Los Angeles	748 E. Washington Blvd.
New York	Chrysler Bldg.
New Orleans	1416 Hibernia Bank Bldg.
Philadelphia	12 South 12th St.
Richmond	American Bank Bldg.
Rochester	916 Temple Bldg.
Washington	15th and New York Aves., N.W.

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